

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number
WO 2005/053699 A1

(51) International Patent Classification⁷: A61K 31/52,
31/513, A61P 35/00

(21) International Application Number:
PCT/GB2004/005081

(22) International Filing Date: 3 December 2004 (03.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0328180.5 4 December 2003 (04.12.2003) GB

(71) Applicant (for all designated States except US): CYCLA-
CEL LIMITED [GB/GB]; 6-8 Underwood Street, London
N1 7JQ (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): GREEN, Simon
[GB/GB]; 37 Boniface Road, Invergowrie, Dundee DD2
5DW, Scotland (GB). SLEIGH, Roger, Neil [GB/GB]; 14
Lammerton Terrace, Dundee, Angus DD4 7BW, Scotland
(GB).

(74) Agents: CLYDE-WATSON, Zoe et al.; D Young & Co.
120 Holborn, London EC1N 2DY (GB).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: COMBINATION OF A CDK INHIBITOR AND CS-682 OR A METABOLITE THEREOF

(57) Abstract: A first aspect of the invention relates to a combination comprising a CDK inhibitor and 1-(2-C-cyano-2-dioxy- β -D-arabino-pentofuranosyl)-N4-palmitoyl cytosine, or a metabolite thereof. A second aspect of the invention relates to a pharmaceutical product comprising a CDK inhibitor and 1-(2-C-cyano-2-dioxy- β -D-arabino-pentofuranosyl)-N4-palmitoyl cytosine, or a metabolite thereof, as a combined preparation for simultaneous, sequential or separate use in therapy. A third aspect of the invention relates to a method of treating a proliferative disorder, said method comprising simultaneously, sequentially or separately administering a CDK inhibitor and 1-(2-C-cyano-2-dioxy- β -D-arabino-pentofuranosyl)-N4-palmitoyl cytosine, or a metabolite thereof, to a subject.

WO 2005/053699 A1